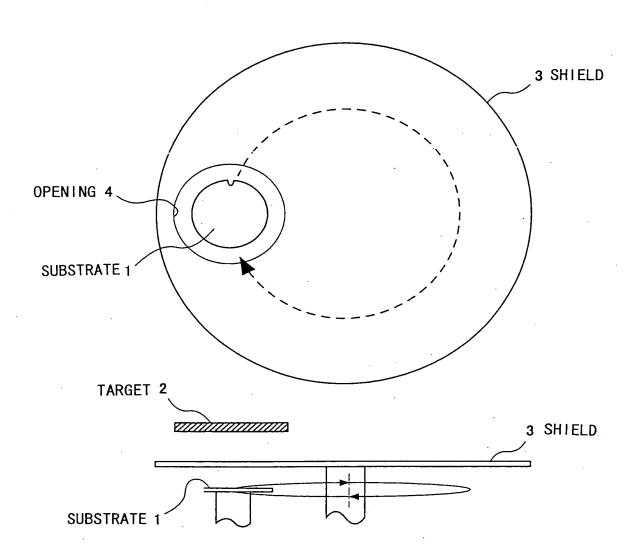
FIG. 1



noustra crostor

FIG. 2

(Fe<sub>0.8</sub>Co<sub>0.2</sub>)<sub>100-mx</sub>(Al-O)<sub>mx</sub>

2.3

2.2

2.1

10

Al+O content, MX (at%)

15

20

2.0 L

FIG. 3

5

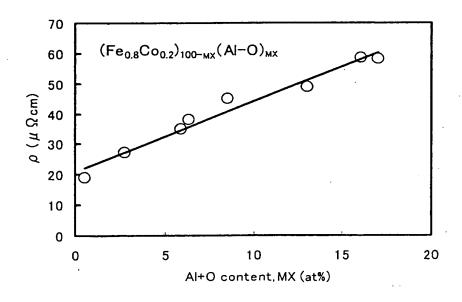
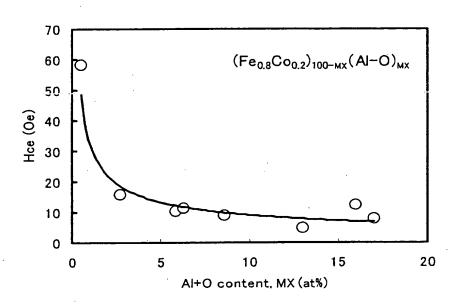


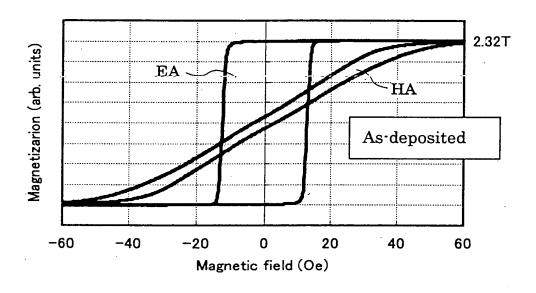
FIG. 4

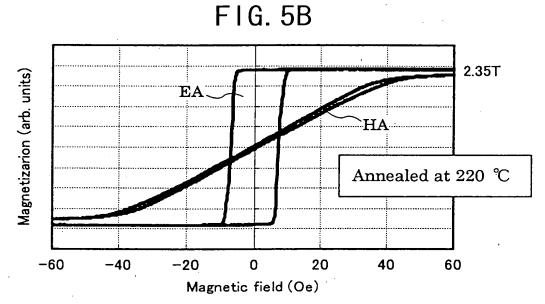


<u>noutrup namini</u>



FIG. 5A



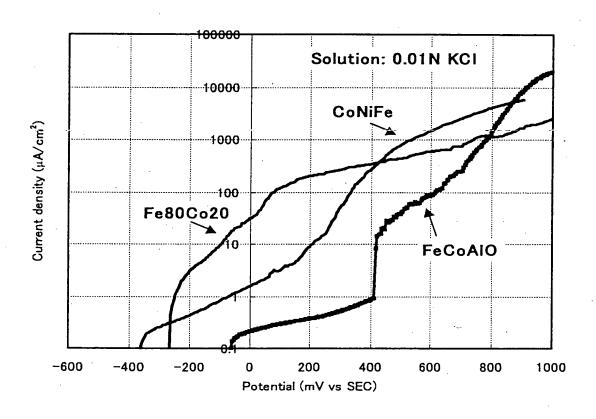


TECO OFFICE ... ...

SOFT MAGNETIC FILM OF FeCoMO HAVING . . . Ikeda et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 0941.65839
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| Film structure                                                                       |                   | Hce (0e)       |
|--------------------------------------------------------------------------------------|-------------------|----------------|
| ① (Fe77.7Co19.5Al0.602.2) 0.5 μ m                                                    | As-deposited      | 15             |
|                                                                                      | Annealed at 220°C | 7              |
| (3) (Fe77.7Co19.5Al0.602.2) 0.5 $\mu$ m $\nearrow$ (Ni50Fe50) 1.6 $\mu$ m            | As-deposited      | 4              |
| "                                                                                    | Annealed at 220°C | 2              |
| $4$ (Ni50Fe50) 3nm/(Fe77.7Co19.5Al0.6O2.2) 0.5 $\mu$ m                               | As-deposited      | 01             |
| ⑤ (Ni80Fe20) 3nm ∕ (Fe77.7Co19.5Al0.6O2.2) 0.5 μ m                                   | As-deposited      | · cc           |
| (6) (Ni80Fe20) 3nm/(Fe77 7Co19 5A10 6O2 2) 0.5 1/m / (Ni50Fe50) 1.6 1/m Ac-denocited | Actionophic       | ) <del>-</del> |

FIG. 7



SOFT MAGNETIC FILM OF FeCOMO HAVING . . .

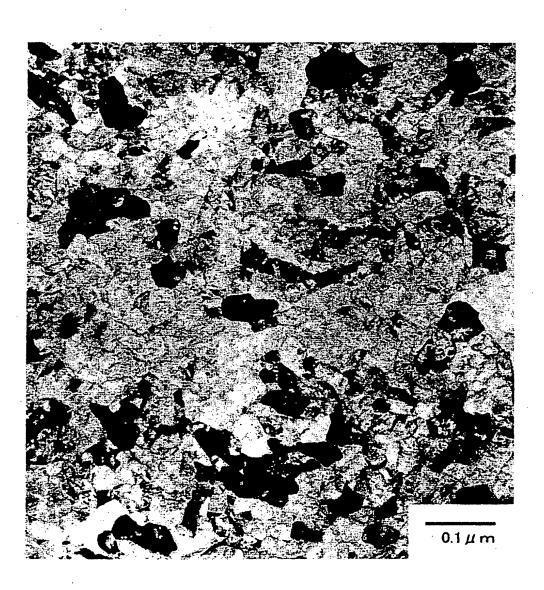
Ikeda et al.

Greer, Burns & Crain, Ltd. (Patrick Burns)

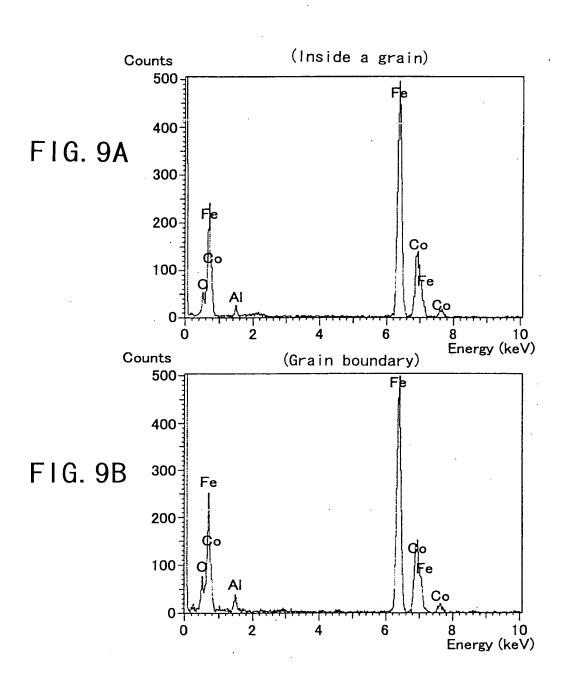
Ref. No. 0941.65839

Sheet 7 of 14 (312) 360 0080

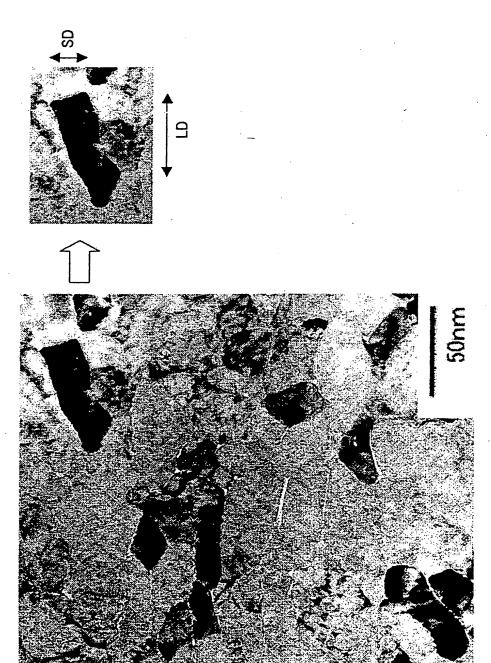
FIG. 8







<u>FOFGUTOFFORM</u>

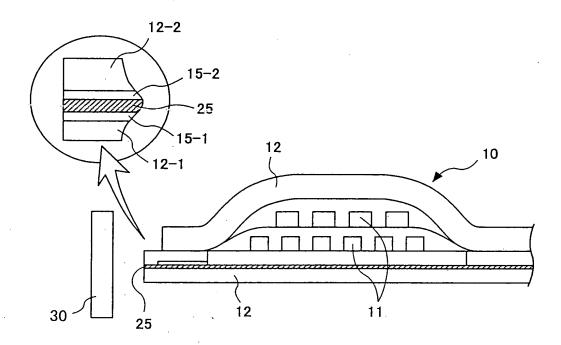


SOFT MAGNETIC FILM OF FeCOMO HAVING . . . Ikeda et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 0941.65839 Sheet 10 of 14 (312) 360 0080

|      | Alloy comp | Alloy composition (at%) |     | Sputtering pressure | Residual stress                      | ૠ    |
|------|------------|-------------------------|-----|---------------------|--------------------------------------|------|
| Fe   | රි         | A                       | 0   | (Pa)                | $\sigma$ (10 $^{9}$ dyne/cm $^{2}$ ) | (0e) |
| 71.3 | 18.1       | 2.5                     | 8.1 | 0.5                 | -5.2                                 | 47.1 |
| 71.8 | 18.1       | 2.3                     | 7.8 | 0.7                 | 6.0-                                 | 25.5 |

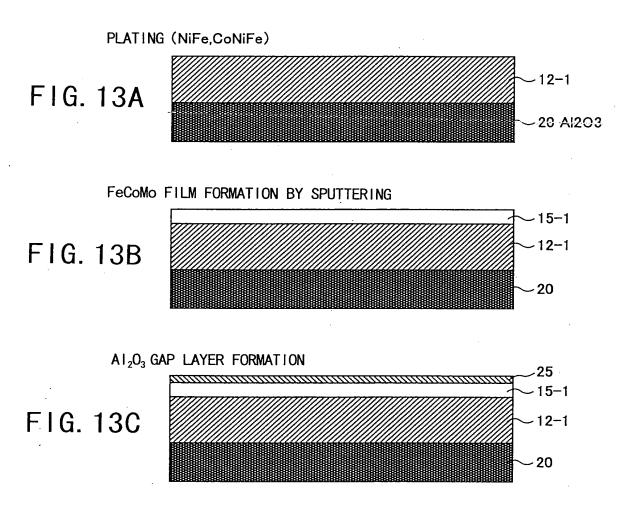
TOPEDIA DE LIBERTA

FIG. 12



15-2 25 15-1

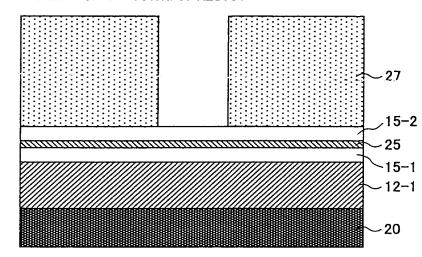
12-1

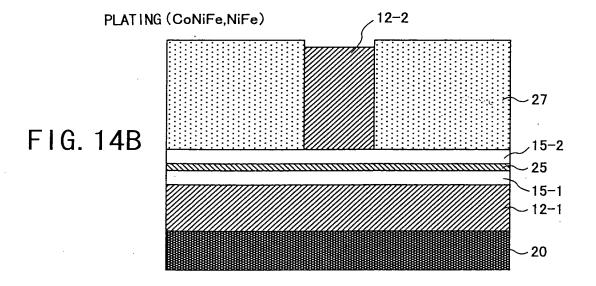


FeCoMo FILM FORMATION BY SPUTTERING

FIG. 13D



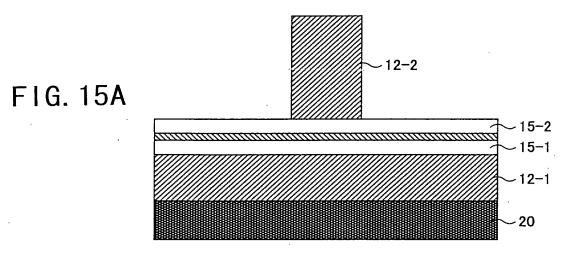




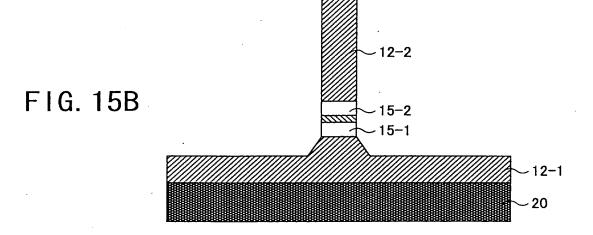
rocento cost

FIG. 14A

## REMOVING THE RESIST



ETCHING: FORMING AN END-PORTION MAGNETIC POLE



DOUGDULD DUDICA